

Kindergarten Math Pacing Guide

A Year at a Glance 2016 – 2017

Math Investigations Unit		Time Frame	CC Math Standards
Quarter 1	<p>*Begin the year by establishing classroom routines and procedures as well as your mathematical community.</p> <p>Unit 1 – Who Is in School Today? <i>Classroom Routines and Materials (18 Lessons, 19 Days)</i> Investigation 1: The Attendance and Calendar Routines – 6 Lessons Investigation 2: The Counting Jar – 5 Lessons Investigation 3: The Today's Question Routine – 7 Lessons</p>	August 29 – September 23	K.CC.1 K.CC.3 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5 K.MD.3 K.G.1, K.G.2
	<p>Unit 5 – Make a Shape, Build a Block <i>2-D Geometry (6 Lessons, 10 Days)</i> Investigation 1: Describing and Making 2-D Shapes – 6 Lessons *Introduce 2-D shapes using Investigation 1 of Unit 5. This unit is divided into 3 parts and taught throughout the year. <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Restrict tasks to 2D shapes)</i></p>	September 26 – October 7	K.G.1, K.G.2, K.G.3, K.G.4, K.G.5 K.CC.1, K.CC.2 K.CC.4a, K.CC.4b, K.CC.4c, K.MD.3
	<p>Unit 2 – Counting and Comparing <i>Measurement and the Number System (24 Lessons, 30 Days)</i> Investigation 1: Counting – 10 Lessons Investigation 2: Comparing – 14 Lessons <i>Formative Assessment Tasks: CC Task 1, CC Task 2a, CC Task 3a, CC Task 5c</i></p>	October 10 – November 22	K.CC.1, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c, K.CC.5, K.CC.6, K.CC.7, K.MD.1, K.MD.2
	<p>Unit 3 – What Comes Next? <i>Patterns and Functions (15 Lessons, 5 Days)</i> Investigation 1: What Do You Notice? – 5 Lessons Investigation 2: Constructing Patterns – 10 Lessons Investigation 3: What's the Unit? – Omit & Replace with Subitizing Number Activities <i>Formative Assessment Task: MD Task 2</i> *Patterning is not a critical area in Kindergarten. Some sessions in this unit may be omitted or combined.</p>	November 28 – December 2	K.CC.1, K.CC.2, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c K.CC.5 K.MD.3 K.G.1, K.G.2
Quarter 2	<p>Unit 5 – Make a Shape, Build a Block <i>2-D Geometry (6 Lessons, 12 Days)</i> Investigation 2: Making and Combining 2-D Shapes *Continue work with 2-D shapes using Investigation 2 of Unit 5. *Additional lessons and supplemental resources should be incorporated to reinforce geometry concepts. <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Restrict to 2D shapes and include positional words), G Task 5 (Build/Draw 2D shapes), G Task 6</i></p>	December 5 – December 20	K.G.1 K.G.3, K.G.4, K.G.5, K.G.6 K.CC.1 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6 K.MD.3

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Quarter 3	Unit 4 – Measuring and Counting <i>Measurement and the Number System 2 (32 Lessons, 36 Days)</i> Investigation 1: Measuring and Counting – 8 Lessons (3 additional lessons -- Session 1.6A: Weight: Heavier or Lighter?, Session 1.6B: Measuring and Comparing Weights, and Session 1.6C: More Measuring and Comparing Weights) <i>Formative Assessment Tasks: M Task 1a, M Task 1b</i> Investigation 2: Counting Some, Counting More – 5 Lessons <i>Formative Assessment Tasks: CC Task 1, CC Task 3b</i> Investigation 3: Changing Quantities: How Many Now? – 7 Lessons <i>Formative Assessment Tasks: CC Task 4, KCC Task 6a</i> Investigation 4: Ways to Make Numbers – 9 Lessons <i>Formative Assessment Tasks: OA Task 1a or 1b, OA Task 1d or 1e, OA Task 3a or 3d, OA Task 5a or 5h, OA Task 5hh, OA Task 6c or 6e</i>	January 3 – February 24	K.OA.1, K.OA.2, K.OA.3, K.OA.4 K.MD.1, K.MD.2, K.MD.3 K.CC.1 K.CC.3 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6, K.CC.7 K.G.1
	Unit 5 – Make a Shape, Build a Block <i>3-D Geometry (8 Lessons, 12 Days)</i> Investigation 3: Describing, Making, and Combining 3-D Shapes – 8 Lessons *Introduce 3-D shapes and wrap up the Geometry unit using Investigation 3 of Unit 5. Review 2-D and 3-D shapes. <i>Formative Assessment Tasks: G Task 1a or 1b, G Task 2a or 2b, G Task 3a or 3b (Include 3D shapes), G Task 4, G Task 5 (Build 3D shapes)</i>	February 27 – March 14	K.G.1, K.G.2, K.G.3, K.G.4, K.G.5, K.G.6 K.CC.1 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5 K.MD.3
	Unit 6 – How Many Do You Have? <i>Addition, Subtraction, & the Number System (32 Lessons, 42 Days)</i> Investigation 1: Number of Tiles – 8 Lessons (1 additional lesson -- Session 1.3A: Counting on the Number Line) Investigation 2: Counting and Measuring – 6 Lessons Investigation 3: How Many in All? – 7 Lessons Investigation 4: How Many of Each? – 6 Lessons Investigation 5A: Teen Numbers – 5 Lessons (5 additional lessons -- Sessions 5A.1 – 5A.5) <i>Formative Assessment Tasks: OA Task 1c, OA Task 2a, 2b, 2c, or 2d, OA Task 4a, 4b, 4c, or 4d, OA Task 6a or 6b, OA Task 7a or 7b, OA Task 8a, 8b, or 8c, NBT Task 1a, NBT Task 1b</i>	March 15 – May 19	K.OA.1, K.OA.2, K.OA.3, K.OA.4 K.OA.5 K.NBT.1 K.CC.1, K.CC.2, K.CC.3, K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6, K.CC.7 K.MD.1 K.MD.3
Quarter 4	Unit 7 – Sorting and Surveys <i>Data Analysis (13 Lessons, 14 Days)</i> Investigation 1: How Many Noses? How Many Eyes? – 7 Lessons (1 additional lesson -- Session 1.7A: Counting Fingers) Investigation 2: How Are They the Same? How Are They Different? – 6 Lessons Investigation 3: Data Projects – Omit <i>Formative Assessment Tasks: CC Task 1, CC Task 2b, CC Task 5a, CC Task 5b, CC Task 5c, KCC Task 6b, KCC Task 7</i>	May 22 – June 9	K.MD.3 K.CC.1, K.CC.2 K.CC.4a, K.CC.4b, K.CC.4c K.CC.5, K.CC.6
	Review & End of Year Assessments		